The Program

The mechanical engineering technologist is involved in the design, manufacture, testing, installation, operation and maintenance of a wide variety of machines and mechanical equipment. Students will gain a working knowledge in the fundamentals of materials, structures, fluids, power, machine design, manufacturing, thermodynamics, HVAC, quality, and instrumentation and control. The use of current computer software is emphasized throughout the program.

Graduates may be employed by a very broad range of industrial organizations. Opportunities include product design, specification, installation and maintenance of equipment, cost estimating, technical sales, quality management, inspection, production planning, automation, CAD/CAM, robotics, and research and development. Mechanical engineering technologists are in demand due to the tremendous diversity of the discipline.

National Accreditation: The Mechanical Engineering Technology program is nationally accredited by the Canadian Technology Accreditation Board (CTAB) with recognized major competency areas of Mechanical Machine Design, Tool and Fixture Design, Automation, Production Management, Quality Assurance, HVAC, and Applied Research. While attending college, students may register with ASTTBC. Graduates are eligible for registration as an Applied Science Technologist after two years of related work experience.

What are the Benefits to Employers?

- An opportunity to evaluate employees without an obligation to permanent employment.
- A proven cost-effective method of meeting human resource needs.
- Co-op students and/or graduates are available on a year-round basis:
  January - April, May - August, September - December.
- Access to a pool of motivated, temporary employees for special projects, peak periods, vacation relief, and coverage without costly advertising.

How do you hire Okanagan College Co-op Students?

E-mail: coop@okanagan.bc.ca
Website: www.okanagan.bc.ca/coop
Fax: 250-862-5600

Okanagan College
1000 KLO Road, Kelowna BC V1Y 4X8
Phone: 250-862-5412

Co-op department staff are registered with the Canadian Association for Co-operative Education (CAFCE)
Employers are encouraged to recruit up to four months prior to work terms and/or graduation.

**The Diploma in Mechanical Engineering Technology is a four-semester program.**

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<th>September - December</th>
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**Semester 1**
- Drafting I
- Statics
- Mechanical Fabrication
- Mathematics for Mechanical Eng. Tech. I

**Semester 2**
- Drafting II
- Fluid Mechanics
- Manufacturing Processes
- Mathematics for Mechanical Eng. Tech. II

**Semester 3**
- Machine Design
- Thermodynamics
- Computer Applications I
- Electronic Technology I

**Semester 4**
- Project
- Applied Thermodynamics and HVAC
- Robotics and CIM
- Technical Communications II
- Operations Management
- Computer Applications II
- Electronic Technology II

[www.okanagan.bc.ca/coop](http://www.okanagan.bc.ca/coop)